

The goal of widespread and affordable broadband is a laudatory goal. The means of providing broadband is the issue. Your FCC technical staff should play the most important role in decision making when there is apparent controversy about the technical merits of a proposal. Like all technically informed people, they know that powerlines are an "open system" which will radiate a significant part of the high frequency broadband signal causing harm to other users of this HF spectrum. Conversely, in such an open system, (as opposed to a closed system such as cable TV or telephone lines) these other users of HF spectrum will cause harm to users of BPL. Using an open system when a closed system is appropriate is technically incompetent, and there is no known way to make an open system act like a closed system. These inherent problems are well known; dozens of technical articles in publications throughout the world have commented on the insurmountable problems of RF pollution and interference to broadband users when using an open system instead of an appropriate closed system. These problems are not only well known; they are cited over and over again in these public filings. A laudatory goal (at best) or politics and greed (at worst) does not change the inherent technical problems which make BPL a technical disaster, if implemented, for both BPL users and non-users alike and therefore an economic disaster, if deployed, for all parties involved. Respectfully,
Douglass M. Allen